

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKNDE1-RD4FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_11_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-10L-xxK-ND-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Narrow Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	732
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4198	4357	4336
55	3350	3327	3323
65	2669	2668	2672
75	2248	2254	2242
85	1831	1905	1843

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKNDE1-RD4FMWSO-FACY2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2120.928	2120.928	2120.928	2120.928	2120.928
5	1950.332	1976.044	1974.340	1972.706	1969.821
10	1629.038	1638.761	1641.944	1647.557	1645.482
15	1100.011	1090.914	1102.773	1099.019	1098.124
20	514.918	520.837	517.697	521.707	516.304
25	196.257	194.453	196.280	196.217	192.646
30	88.434	89.341	89.184	89.569	90.166
35	55.748	57.270	55.252	56.946	57.951
40	45.379	45.123	45.867	45.652	45.351
45	39.422	40.114	40.915	39.946	40.720
50	34.788	35.024	34.174	34.405	33.550
55	29.769	29.591	29.561	29.240	29.533
60	24.880	25.228	25.499	25.063	24.436
65	21.652	21.509	21.644	21.557	21.674
70	18.965	18.735	18.955	18.767	18.577
75	15.936	16.013	15.983	15.913	15.898
80	13.207	13.427	13.735	13.545	13.174
85	10.718	10.736	11.152	10.565	10.788
90	9.701	9.237	9.074	9.174	9.884

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKNDE1-RD4FMWSO-FACY2.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	473.88	N.A.	64.80
0-30	584.83	N.A.	79.90
0-40	623.35	N.A.	85.20
0-60	680.86	N.A.	93.10
0-80	719.40	N.A.	98.30
0-90	731.51	N.A.	100.00
10-90	553.38	N.A.	75.60
20-40	149.47	N.A.	20.40
20-50	180.44	N.A.	24.70
40-70	79.09	N.A.	10.80
60-80	38.55	N.A.	5.30
70-80	16.96	N.A.	2.30
80-90	12.11	N.A.	1.70
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	731.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	178.13
10-20	295.75
20-30	110.95
30-40	38.52
40-50	30.97
50-60	26.53
60-70	21.58
70-80	16.96
80-90	12.11
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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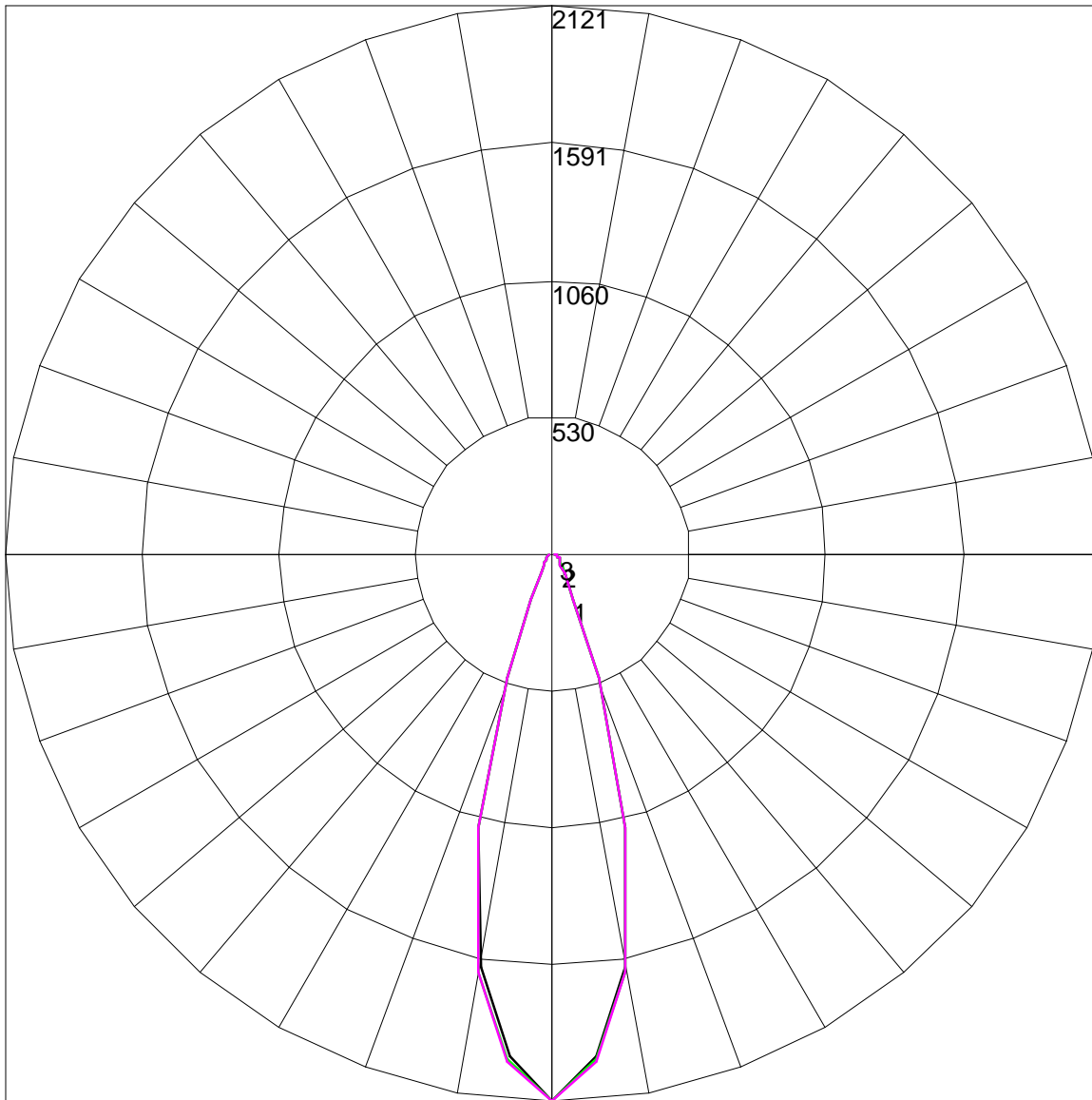
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	86	82	97	90	85	81	88	84	81	86	82	80	84	81	79	77
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	75	72	70
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	82	73	68	65	81	73	68	65	72	67	64	71	67	64	70	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	64	62	61

POLAR GRAPH



Maximum Candela = 2120.928 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)